CLAIMS

What is claimed is:

1. A system for providing call control in a telephone network, said system comprising:

a service node adapted to receive a telephone call;

a parlay gateway connected to said service node, wherein said service node is adapted to forward an application request to said parlay gateway;

a telephony application connected to said parlay gateway, said telephony application being adapted to supply a routing requirement to said parlay gateway,

wherein said parlay gateway is adapted to dynamically transform said routing requirement into a routing application, and

wherein said service node is adapted to execute said routing application to route said telephone call.

2. The system in claim 1, wherein said parlay gateway provides unique functionality that is independent of the call processing functionality of remaining elements of said telephone network.

3. The system in claim 1, wherein said parlay gateway functions in heterogeneous environments and works with different types of service nodes.

4. The system in claim 1, wherein said parlay gateway comprises a HTTP server.

5. The system in claim 1, further comprising a service switching point connected to said service node adapted to route said telephone call.

9

6. The system in claim 5, further comprising signaling transfer points connected to said service switching point, wherein communications between said service switching point and said parlay gateway bypass said signaling transfer points.

7. The system in claim 1, wherein said service node is adapted to report call status to said parlay gateway.

8. A system for providing call control in a telephone network, said system comprising:

a service node adapted to receive a telephone call;

a server and parlay gateway combination connected to said service node, wherein said service node is adapted to forward a hypertext transfer protocol (HTTP) call control extensible markup language (CCXML) application request to said server and parlay gateway combination;

a telephony application connected to said server and parlay gateway combination, said telephony application being adapted to supply a routing requirement to said server and parlay gateway combination,

wherein said server and parlay gateway combination is adapted to dynamically transform said routing requirement into a CCXML routing application,

wherein said service node is adapted to execute said CCXML routing application to route said telephone call.

9. The system in claim 8, wherein said server and parlay gateway combination provides unique functionality that is independent of the call processing functionality of remaining elements of said telephone network.

10. The system in claim 8, wherein said server and parlay gateway combination functions in heterogeneous environments and works with different types of service nodes.

11. The system in claim 8, wherein the server portion of said server and parlay gateway combination comprises a HTTP server.

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12. The system in claim 8, further comprising a service switching point connected to said service node adapted to route said telephone call.

13. The system in claim 12, further comprising signaling transfer points connected to said service switching point, wherein communications between said service switching point and said server and parlay gateway combination bypass said signaling transfer points.

14. The system in claim 8, wherein said service node is adapted to report call status to said server and parlay gateway combination.

15. A method of providing call control in a telephone network, said method comprising:

directing a telephone call to a service node;

forwarding an application request from said service node to a parlay gateway;

forwarding a request for instruction from said parlay gateway to a telephony application server;

returning a routing requirement from said telephony application server to said parlay gateway;

dynamically transforming said routing requirement into a routing application using said parlay gateway;

forwarding said routing application from said parlay gateway to said service node;

executing said routing application using said service node; and

routing said telephone call based on results of said routing application.

16. The method in claim 15, wherein said parlay gateway provides unique functionality that is independent of the call processing functionality of remaining elements of said telephone network.

11

17.   The method in claim 15, wherein said parlay gateway functions in heterogeneous environments and works with different types of service nodes.

18.   The method in claim 15, wherein said parlay gateway comprises a HTTP server.

19.   The method in claim 15, wherein said routing of said telephone call is performed using a service switching point connected to said service node.

20.   The method in claim 19, wherein communications between said service switching point and said parlay gateway bypass signaling transfer points.

21.   The method in claim 15, further comprising reporting call status from said service node to said parlay gateway.

22.   A method of providing call control in a telephone network, said method comprising:

        directing a telephone call to a service node;

        forwarding a hypertext transfer protocol (HTTP) call control extensible markup language (CCXML) application request from said service node to a server and parlay gateway combination;

        forwarding a request for instruction from said server and parlay gateway combination to a telephony application server;

        returning a routing requirement from said telephony application server to said server and parlay gateway combination;

        dynamically transforming said routing requirement into a CCXML routing application using said server and parlay gateway combination;

        forwarding said CCXML routing application from said server and parlay gateway combination to said service node;

        executing said CCXML routing application using said service node; and

        routing said telephone call based on results of said CCXML routing application.

12

23. The method in claim 22, wherein said server and parlay gateway combination provides unique functionality that is independent of the call processing functionality of remaining elements of said telephone network.

24. The method in claim 22, wherein said server and parlay gateway combination functions in heterogeneous environments and works with different types of service nodes.

25. The method in claim 22, wherein the server portion of said server and parlay gateway combination comprises a HTTP server.

26. The method in claim 22, wherein said routing of said telephone call is performed using a service switching point connected to said service node.

27. The method in claim 26, wherein communications between said service switching point and said server and parlay gateway combination bypass signaling transfer points.

28. The method in claim 22, further comprising reporting call status from said service node to said server and parlay gateway combination.